toxins

IMPACT FACTOR 3.9 | Indexed in: PubMed | CITESCORE 7.5

an Open Access Journal by MDPI

Proteomics Analysis in Animal Venom

Guest Editor:

Prof. Dr. Paul Long
Faculty of Life Sciences & Medicine, King's College London, United Kingdom & Faculdade de Ciências Farmacêuticas, Universidade de São Paulo, Brazil

Deadline for manuscript submissions:
closed (31 March 2021)

Message from the Guest Editor

A basic issue for animals is how to win-out survival competitions by balancing trade-offs and trait modifications necessary for predation and those intended for defence. Venomous animals can use toxins to mediate both key processes, might be expected to alter venom composition. Our understanding of the dual-purpose nature of toxin chemistry has significantly expanded over recent years because of improvements *in* modern instrumentation that supports large-scale measurement of venom proteomes. In this Special Issue, manuscripts that describe proteomics approaches offering critical insights into the following themes are especially welcome:

- Comparative study of toxins in poorly studied venomous animals.
- Adaptiveplasticity in venom composition related to animal behaviour or ecology.
- Integrating de novo peptide sequencing with annotation methods to assign the sequence to tandem mass spectra that are routinely discarded.
- Informatics methods to extract biological value from sequences by linkage to multiple biological, chemical and literature resources.
- Pharmaceutical discovery of novel therapeutic peptides.

toxins

IMPACT FACTOR 3.9 | Indexed in: PubMed | CITESCORE 7.5

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jay Fox
Department of Microbiology,
University of Virginia,
Charlottesville, VA, USA

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.
Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q1 (Toxicology)

Contact Us

Toxins Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxins
toxins@mdpi.com
𝕏@Toxins_Mdpi